

ABSTRACT

CLOSURE

This invention can be used in the food industry. The invention relates in general to multi-purpose closures used for bottling and storing expensive high-quality drinks. The technical result of the proposed invention is a more reliable closing of bottles, providing the necessary tightness, and making refilling the bottle with low-quality drinks less possible. The closure comprises a discharge sleeve with outer and inner pipes at its inlet end, a collar with an external thread at its outlet end, an inner hood with splines on its side exterior surface and a pouring tube at its outlet end, a removable check valve installed on the exterior side surface of the inner pipe, said check valve having sealing lips on its exterior surface and a flange on its outlet end, said flange being located between the inner and the outer pipes. The outer pipe has longitudinal ribs on its interior surface. The collar of the discharge sleeve has a plug installed therein, said plug being supported by raking props and used to shut off the pouring tube. The inner hood is threadedly engaged on the collar of the discharge sleeve thereby to allow its axial movement resulting from rotation. The outer hood has a tamper-indicating means at its outlet end, splines on its interior side surface thereby to engage splines on the inner hood, and transverse projections to interact with the inlet end of the outer pipe of the discharge sleeve. The discharge sleeve has windows evenly spaced around its periphery. The mating surfaces of the pouring tube and the plug are tapered. The tamper-indicating means at the outlet end of the outer hood is made as a break-away member fixed on the end surface by means of at least three break-away strips, which are spaced evenly around the periphery of the interior surface of the end of the outer hood, or by means of a solid annular break-away strap located at the interior surface of the end of the outer hood. The ball of the valve is made of e.g. glass, crystal glass, marble. A sealing gasket is placed between the outer pipe and the inner pipe of the discharge sleeve. The longitudinal ribs on the interior surface of the outer pipe are separated or arranged in groups to interact with the mating surface of the bottleneck collar.